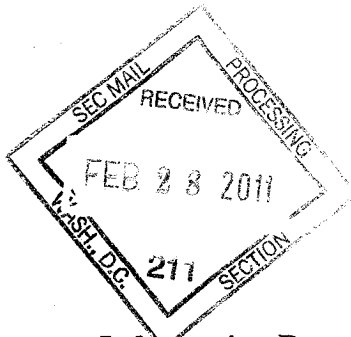


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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL	
OMB Number:	3235-0123
Expires:	April 30, 2013
Estimated average burden hours per response.....	12.00

**ANNUAL AUDITED REPORT
FORM X-17A-5
PART III**

SEC FILE NUMBER
8-67952

**FACING PAGE
Information Required of Brokers and Dealers Pursuant to Section 17 of the
Securities Exchange Act of 1934 and Rule 17a-5 Thereunder**

REPORT FOR THE PERIOD BEGINNING 01/01/10 AND ENDING 12/31/10
MM/DD/YY MM/DD/YY

A. REGISTRANT IDENTIFICATION

NAME OF BROKER-DEALER: Mainline West Municipal Securities, LLC

OFFICIAL USE ONLY
FIRM I.D. NO.

ADDRESS OF PRINCIPAL PLACE OF BUSINESS: (Do not use P.O. Box No.)

700 Seventeenth Street, Suite 1500

(No. and Street)

Denver

(City)

CO

(State)

80202

(Zip Code)

NAME AND TELEPHONE NUMBER OF PERSON TO CONTACT IN REGARD TO THIS REPORT

Brad Kreidle

720-536-3380

(Area Code - Telephone Number)

B. ACCOUNTANT IDENTIFICATION

INDEPENDENT PUBLIC ACCOUNTANT whose opinion is contained in this Report*

Spicer Jeffries LLP

(Name - if individual, state last, first, middle name)

5251 S. Quebec Street, Suite 200

(Address)

Greenwood Village

(City)

CO

(State)

80111

(Zip Code)

CHECK ONE:

- ☒ Certified Public Accountant
- ☐ Public Accountant
- ☐ Accountant not resident in United States or any of its possessions.



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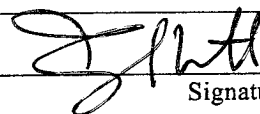
FOR OFFICIAL USE ONLY

*Claims for exemption from the requirement that the annual report be covered by the opinion of an independent public accountant must be supported by a statement of facts and circumstances relied on as the basis for the exemption. See Section 240.17a-5(e)(2)

BB
3/12

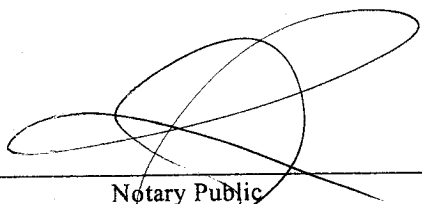
OATH OR AFFIRMATION

I, Brad Kreidle, swear (or affirm) that, to the best of my knowledge and belief the accompanying financial statement and supporting schedules pertaining to the firm of Mainline West Municipal Securities, LLC, as of December 31, 2010, are true and correct. I further swear (or affirm) that neither the company nor any partner, proprietor, principal officer or director has any proprietary interest in any account classified solely as that of a customer, except as follows:


Signature

President

Title


Notary Public

My Commission Expires 5/4/2011

This report ** contains (check all applicable boxes):

- ☒ (a) Facing Page.
- ☒ (b) Statement of Financial Condition.
- ☒ (c) Statement of Income (Loss).
- ☒ (d) Statement of Changes in Financial Condition.
- ☒ (e) Statement of Changes in Stockholders' Equity of Partners' or Sole Proprietors' Capital.
- ☐ (f) Statement of Changes in Liabilities Subordinated to Claims of Creditors.
- ☒ (g) Computation of Net Capital (including reconciliation of X-17A-5 Part II filing with this Rule 17a-5(d) report, if applicable).
- ☐ (h) Computation for Determination of Reserve Requirements Pursuant to Rule 15c3-3.
- ☐ (i) Information Relating to the Possession or Control Requirements Under Rule 15c3-3.
- ☐ (j) A Reconciliation, including appropriate explanation of the Computation of Net Capital Under Rule 15c3-3 and the Computation for Determination of the Reserve Requirements Under Exhibit A of Rule 15c3-3.
- ☐ (k) A Reconciliation between the audited and unaudited Statements of Financial Condition with respect to methods of consolidation.
- ☒ (l) An Oath or Affirmation.
- ☒ (m) A copy of the SIPC Supplemental Report.
- ☐ (n) A report describing any material inadequacies found to exist or found to have existed since the date of the previous audit.
- ☒ (o) Independant Auditors' Report on Internal Accounting Control.

****For conditions of confidential treatment of certain portions of this filing, see section 240.17a-5(e)(3).**

MAINLINE WEST MUNICIPAL SECURITIES LLC

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SPICER JEFFRIES LLP

CERTIFIED PUBLIC ACCOUNTANTS

5251 SOUTH QUEBEC STREET • SUITE 200

GREENWOOD VILLAGE, COLORADO 80111

TELEPHONE: (303) 753-1959

FAX: (303) 753-0338

www.spicerjeffries.com

INDEPENDENT AUDITORS' REPORT

To the Members of
Mainline West Municipal Securities LLC

We have audited the accompanying statement of financial condition of Mainline West Municipal Securities LLC (the "Company") as of December 31, 2010 that you are filing pursuant to Rule 17a-5 under the Securities and Exchange Act of 1934. This financial statement is the responsibility of the Company's management. Our responsibility is to express an opinion on this financial statement based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement of financial condition is free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the statement of financial condition, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall statement of financial condition presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the statement of financial condition referred to above presents fairly, in all material respects, the financial position of Mainline West Municipal Securities LLC as of December 31, 2010 in conformity with accounting principles generally accepted in the United States of America.

Spicer Jeffries LLP

Greenwood Village, Colorado
February 18, 2011

MAINLINE WEST MUNICIPAL SECURITIES LLC

STATEMENT OF FINANCIAL CONDITION
DECEMBER 31, 2010

ASSETS

Cash	\$ 807,944
Cash and cash equivalent at clearing broker	4,938
Securities owned, at fair value (Note 1 and 3)	8,723,652
Deposits with clearing broker	444,017
Due from affiliates (Note 5)	179,370
Interest receivable	4,931
Other assets	1,900
	<u>\$ 10,166,752</u>

LIABILITIES AND MEMBERS' EQUITY

LIABILITIES:

Due to clearing broker	\$ 7,441,239
Accounts payable and accrued expenses	233,381
Due to affiliates (Note 5)	<u>7,025</u>

Total liabilities	7,681,645
--------------------------	------------------

COMMITMENTS AND CONTINGENCIES (Notes 4 and 6)

MEMBERS' EQUITY (Notes 1 and 2)	<u>2,485,107</u>
	<u>\$ 10,166,752</u>

The accompanying notes are an integral part of this statement.

MAINLINE WEST MUNICIPAL SECURITIES LLC

NOTES TO FINANCIAL STATEMENTS

NOTE 1 - ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Organization and business

Mainline West Municipal Securities LLC (the "Company") was formed on June 19, 2008, pursuant to the laws of the State of Delaware. The Company is a broker-dealer registered with the Securities and Exchange Commission and the Financial Industry Regulatory Authority, Inc. The Company's broker-dealer license became effective December 3, 2008.

The Company, under Rule 15c3-3(k)(2)(ii), is exempt from the reserve and possession or control requirements of Rule 15c3-3 of the Securities and Exchange Commission. The Company does not carry or clear customer accounts. Accordingly, all customer transactions are executed and cleared on behalf of the Company by its clearing broker on a fully disclosed basis. The Company's agreement with its clearing broker provides that as clearing broker, that firm will make and keep such records of the transactions effected and cleared in the customer accounts as are customarily made and kept by a clearing broker pursuant to the requirements of Rules 17a-3 and 17a-4 of the Securities and Exchange Act of 1934, as amended (the "Act"). It also performs all services customarily incident thereon, including the preparation and distribution of customer's confirmations and statements and maintenance margin requirements under the Act and the rules of FINRA of which the Company is a member.

Securities Valuation and Revenue Recognition

The Company records proprietary transactions, trading profit and related expenses on a trade-date basis.

The Company values its securities in accordance with Accounting Standards Codification 820 - Fair Value Measurements ("ASC 820"). Under ASC 820, fair value is defined as the price that would be received to sell an asset or paid to transfer a liability (i.e., the "exit price") in an orderly transaction between market participants at the measurement date.

ASC 820 establishes a fair value hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs are those that market participants would use in pricing the asset or liability based on market data obtained from sources independent of the Company. Unobservable inputs reflect the Company's assumption about the inputs market participants would use in pricing the asset or liability developed based on the best information available in the circumstances. The fair value hierarchy is categorized into three levels based on the inputs as follows:

Level 1 - Valuations based on unadjusted quoted prices in active markets for identical assets or liabilities that the Company has the ability to access. Valuation adjustments are not applied to Level 1 securities. Since valuations are based on quoted prices that are readily and regularly available in an active market, valuation of these securities does not entail a significant degree of judgment.

MAINLINE WEST MUNICIPAL SECURITIES LLC

NOTES TO FINANCIAL STATEMENTS

(continued)

NOTE 1 - ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Securities Valuation and Revenue Recognition (continued)

Level 2 - Valuations based on quoted prices in markets that are not active or for which all significant inputs are observable, either directly or indirectly.

Level 3 - Valuations based on inputs that are unobservable and significant to the overall fair value measurement.

The availability of valuation techniques and observable inputs can vary from security to security and is affected by a wide variety of factors, including the type of security, whether the security is new and not yet established in the marketplace, and other characteristics particular to the transaction. To the extent that valuation is based on models or inputs that are less observable or unobservable in the market, the determination of fair value requires more judgment. Those estimated values do not necessarily represent the amounts that may be ultimately realized due to the occurrence of future circumstances that cannot be reasonably determined. Because of the inherent uncertainty of valuation, those estimated values may be materially higher or lower than the values that would have been used had a ready market for the securities existed. Accordingly, the degree of judgment exercised by the Company in determining fair value is greatest for securities categorized in Level 3. In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, for disclosure purposes, the level in the fair value hierarchy within which the fair value measurement falls in its entirety is determined by the lowest level input that is significant to the fair value measurement.

Fair value is a market-based measure considered from the perspective of a market participant rather than an entity-specific measure. Therefore, even when market assumptions are not readily available, the Company's own assumptions are set to reflect those that market participants would use in pricing the asset or liability at the measurement date. The Company uses prices and inputs that are current as of the measurement date, including during periods of market dislocation. In periods of market dislocation, the observability of prices and inputs may be reduced for many securities. This condition could cause a security to be reclassified to a lower level within the fair value hierarchy.

The fair value of municipal bonds is estimated using recently executed transactions and market price quotations. Municipal bonds are generally categorized in Level 2 of the fair value hierarchy (see Note 3).

MAINLINE WEST MUNICIPAL SECURITIES LLC

NOTES TO FINANCIAL STATEMENTS

(continued)

NOTE 1 - ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting year. Actual results could differ from those estimates.

Income Taxes

The Company is recognized as a limited liability company by the Internal Revenue Service. Accordingly, the Company's members are liable for federal and state income taxes on their respective tax returns.

Although the Company is not a taxable entity, it must file income tax returns and take tax positions that are passed through to its members. The Company is required to determine whether a tax position is more likely than not to be sustained upon examination by the applicable taxing authority, including resolution of any tax related appeals or litigation processes, based on the technical merits of the position. The Company files an income tax return in the U.S. federal jurisdiction and files an income tax return in the state of Colorado. The Company is not subject to income tax return examinations by major taxing authorities for years before 2007. No interest expense or penalties have been recognized as of and for the year ended December 31, 2010.

Cash Equivalents

For purposes of the statement of cash flows, the Company considers all money market accounts held at their clearing broker to be cash equivalents.

Profit and Loss Allocations

Profits and losses from operations are allocated to members based on the Operating Agreement of the Company. The Operating Agreement of the Company generally provides for this allocation to be made in proportion to the number of units held by the respective members at the end of each calendar month.

NOTE 2 - NET CAPITAL REQUIREMENTS

Pursuant to the net capital provisions of Rule 15c3-1 of the Securities Exchange Act of 1934, the Company is required to maintain a minimum net capital, as defined under such provisions. At December 31, 2010, the Company had net capital and net capital requirements of \$1,659,961 and \$100,000, respectively. The Company's net capital ratio (aggregate indebtedness to net capital) was 0.14 to 1. According to Rule 15c3-1, the Company's net capital ratio shall not exceed 15 to 1.

MAINLINE WEST MUNICIPAL SECURITIES LLC

NOTES TO FINANCIAL STATEMENTS

(continued)

NOTE 3 - FAIR VALUE MEASUREMENTS

The Company's assets recorded at fair value have been categorized based upon a fair value hierarchy in accordance with ASC 820. See Note 1 for a discussion of the Company's policies.

The following table presents information about the Company's assets measured at fair value as of December 31, 2010:

	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Balance as of December 31, 2010
Securities owned:				
Municipal bonds	\$ -	\$ 8,723,652	\$ -	\$ 8,723,652

Effective January 1, 2010, the Company adopted the provisions of FASB Accounting Standards Update ("ASU") No. 2010-06, *Fair Value Measurements and Disclosures (Topic 820): Improving Disclosures about Fair Value Measurements*. In accordance with this ASU, the Company did not have any significant transfers between Level 1 and Level 2 during the year ended December 31, 2010.

NOTE 4 - COMMITMENTS

The Company's affiliate leases office space from an unrelated party under a non-cancelable operating lease expiring through 2013. The Company is not a party to this lease except to the extent of its expense sharing agreement with the affiliate. The total rent is allocated between the Company and the affiliate based on efforts expended by each entity. The future minimum rental commitments under the affiliate's lease is approximately as follows:

Year	Amount
2011	\$ 105,788
2012	110,498
2013	37,504
	<u>\$ 253,790</u>

Total rental expense, including the leases referred to above, is included in occupancy costs and totaled \$90,324 for the year ended December 31, 2010.

MAINLINE WEST MUNICIPAL SECURITIES LLC

NOTES TO FINANCIAL STATEMENTS

(continued)

NOTE 5 - RELATED PARTY TRANSACTIONS

The Company shares offices with an entity affiliated through common owners ("Affiliate"). The Company has an expense sharing agreement (the "Agreement") with the Affiliate. Under the Agreement the Company and the Affiliate share common expenses such as rent, compensation, equipment and other operating expenses based on efforts expended for each entity. As of December 31, 2010, the Company had receivables from Affiliates in the amount of \$179,370 of which a majority relates to net expenses paid by the Company on behalf of the Affiliate. The Company also has a payable to one of its members in the amount of \$7,025 relating primarily to interest collected on bonds contributed to capital by such member.

NOTE 6 - FINANCIAL INSTRUMENTS, OFF-BALANCE SHEET RISKS AND CONTINGENCIES

In the normal course of business, the Company's client activities through its clearing broker involve the execution, settlement, and financing of various client securities transactions. These activities may expose the Company to off-balance sheet risk. In the event the client fails to satisfy its obligations, the Company may be required to purchase or sell financial instruments at prevailing market prices in order to fulfill the client's obligations.

In the Company's trading activities, the Company has purchased securities for its own account and may incur losses if the market value of these securities declines subsequent to December 31, 2010. In addition, the Company bears the risk of financial failure by its clearing broker. If the clearing broker should cease doing business, the Company's receivable and deposit from this clearing broker could be subject to forfeiture.

NOTE 7 - SUBSEQUENT EVENTS

The Company has performed an evaluation of subsequent events through the date the financial statements were issued. The evaluation did not result in any subsequent events that required disclosures and/or adjustments.



SPICER JEFFRIES LLP

CERTIFIED PUBLIC ACCOUNTANTS

5251 SOUTH QUEBEC STREET • SUITE 200

GREENWOOD VILLAGE, COLORADO 80111

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FAX: (303) 753-0338

www.spicerjeffries.com

INDEPENDENT ACCOUNTANTS' REPORT ON APPLYING AGREED-UPON PROCEDURES

To the Members of
Mainline West Municipal Securities LLC
700 17th Street, Suite 1500
Denver, CO 80202

In accordance with Rule 17a-5(e)(4) under the Securities Exchange Act of 1934, we have performed the procedures enumerated below with respect to the accompanying General Assessment Reconciliation (Form SIPC-7) to the Securities Investor Protection Corporation (SIPC) for the period ended December 31, 2010, which were agreed to by Mainline West Municipal Securities LLC and the Securities and Exchange Commission, Financial Industry Regulatory Authority, Inc. and SIPC, solely to assist you and the other specified parties in evaluating Mainline West Municipal Securities LLC's compliance with the applicable instructions of the General Assessment Reconciliation (Form SIPC-7). Mainline West Municipal Securities LLC's management is responsible for the Mainline West Municipal Securities LLC's compliance with those requirements. This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of those parties specified in this report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose. The procedures we performed and our findings are as follows:

1. Compared the listed assessment payments in Form SIPC-7 with respective cash disbursement records entries noting no differences;
2. Compared the amounts reported on the audited Form X-17A-5 (FOCUS Report) for the period ended December 31, 2010, with the amounts reported in Form SIPC-7 for the period ended December 31, 2010 noting no differences;
3. Compared any adjustments reported in Form SIPC-7 with supporting schedules and working papers noting no differences;
4. Proved the arithmetical accuracy of the calculations reflected in Form SIPC-7 and in the related schedules and working papers supporting the adjustments noting no differences; and
5. Compared the amount of any overpayment applied to the current assessment with the Form SIPC-7 on which it was originally computed noting no differences.

We were not engaged to, and did not conduct an examination, the objective of which would be the expression of an opinion on compliance. Accordingly, we do not express such an opinion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of the specified parties listed above and is not intended to be and should not be used by anyone other than these specified parties.

Spicer Jeffries LLP

Greenwood Village, Colorado
February 18, 2011

MAINLINE WEST MUNICIPAL SECURITIES LLC

**GENERAL ASSESSMENT RECONCILIATION
PURSUANT TO FORM SIPC-7
DECEMBER 31, 2010**

General assessment per Form SIPC-7, including interest	\$ 4,578
Less payment made with Form SIPC-6	<u>2,238</u>
Amount paid with Form SIPC-7	<u><u>\$ 2,340</u></u>

**MAINLINE WEST MUNICIPAL
SECURITIES, LLC**

STATEMENT OF FINANCIAL CONDITION

DECEMBER 31, 2010

The report is filed in accordance with Rule 17a-5(e)(3) under the Securities Exchange Act of 1934 as a **PUBLIC DOCUMENT**.